

RG350

STEREO SYNTHESIZER RECEIVER

SERVICE MANUAL

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SPECIFICATIONS

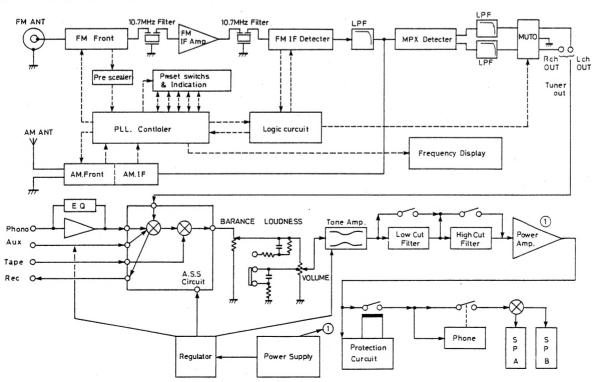
Tape monitor 4.0V

	O. — O			
	AUDIO SECTION			
	Sensitivity		Low & High filter	
	Input: 1000Hz		Input: Aux 20Hz, 10kHz	
	Phono(MM)(at Rec out)	. 3.0mV/50kΩ/220pF	Output: 35W -6dB from	
	Aux	. $150\text{mV}/50\text{k}\Omega/2200\text{pF}$	Volume max. (filter switch:	
	Tape monitor	. 150mV/50kΩ/2200pF	on)	-6dB
	Sensitivity channel difference	•	Signal to noise ratio	_00B
	Output power		(IHF-A Network)	
	Input: Aux		Phono Input: 5mV	
	Output: 0.08% THD at 8Ω		Output: Tape out	704D
	50-20000 Hz continuous		Aux: Input short	
	both ch. driven		Tape monitor: input short	
	Headphone output		Residual noise	
	Input: 1000Hz	480mV/8Ω	Damping factor	0.5mV
	Phono 3.0mV Aux 150mV			
	Output: At speaker output		Input: Aux 1000Hz	00
	Rec. output		Output: 3.5W	
	Input: 1000Hz	150mV/100kO	Volume control tracking error	4dB
	Aux 150mV		Input: Aux	
	(At speaker output with	1301117/100822	Output: 3.5W at volume max.	
	Volume: 3,5W)		-40dB	
	IM Distortion factor		Crosstalk	
	Input: Aux 70Hz: 7000Hz/4:1		Output: 3.5W (with Volume)	
	Output: 35W(47Vp-p)		Aux: Input/150mV	
		. 0.03%	1000Hz	
	Sinus power (1kHz)	4014	20kHz	33dB
	at 8Ω 0.08%THD	46W	Phono input/3.0mV	
	both ch. driven		1000Hz	
	Music power		Output level difference	3dB
	at 8Ω 10%THD		Input: 1000Hz	
	at 4Ω 10%THD	106W	Aux: 150mV	
	F.T.C. power (50-20000Hz)		Phono 3.0mV	
	at 8Ω 0.08%THD	38W	Output: 10'clock position of	
	Frequency response		volume control	
-	Input: Aux. Tape monitor			
	Output: 1000Hz 36W -6dB		AM SECTION	
	from Volume max. ±3dB	10 — 35,000Hz	Tuning cover range	
	Phono mag equalizer response		IHF usable sensitivity	250μV/m
	Input: Phono		at 1000kHz	
	Output: RIAA ± 1.0dB	30 — 20,000Hz	Signal to noise ratio	42dB
	Tone control action		Input: 5mV/m	
	Input: Aux		IHF selectivity ±9kHz	36dB
	Output: 1000Hz 0.775V		Input: 1000kHz	
	Boost: 100/10000Hz		AGC figure of merit	48dB
	Cut: 100/10000Hz	-9.0dB	Input: 1000kHz, 10mV/m	
	Loudness control action		THD	0.5%
	Input: Aux 150mV		Input: 1000kHz, 5mV/m	
	Output: -30dB Att. from		IF rejection at 1000kHz	58dB
	Volume max. (Loudness		Image-rejection at 1000kHz	40dB
	switch: on)		Frequency response	-3dB
	100Hz		Input 1000kHz 5mV/m	
	10000Hz	+6dB	80 — 2000Hz	
	Maximum input signal		Whistle modulation of 2nd or 3rd	
	Input: 1000Hz		2 IF $500\mu V/m$ to $10mV/m$	15%
	Output: 3.5W		5mV/m	
	Phono	130mV	3 IF $500\mu V/m$ to $10mV/m$	10%
	Aux		5mV/m	

FM SECTION Tuning cover range	Input 98MHz Output 20dB Attenuation	, de
Usabale sensitivity for 26dB S/N . 1μV (Antenna 75Ω 40kHz dev.) 50dB Quieting 2.5μV Signal to Noise Ratio 75dB Input 1.1mV 98MHz Audio frequency response 40 – 15000Hz	FM MPX SECTION 50dB Quieting	
Input 1.1mV 98MHz THD 0.1%	Stereo indicator sensitivity 10µV Input 98MHz	
Input 1.1mV 98MHz Capture ratio 2dB Input 1.1mV 98MHz	Separation (without 19 & 38kHz) Input 1.1mV 98MHz	
Input 1.1mv 98MH2 IHF adjacent channel selectivity 70dB Input 110µV 98MHz	1000Hz 45dB 10kHz	
Spurious response 60dB Input 1.1mV 98MHz	Channel gain difference 0.5dB Subcarrier product ratio 50dB Input 1.1mV 98MHz	
Frequency 10 — 200MHz (Except generator harmonics)	SCA suppression 60dB	
IF rejection 90dB at 90MHz	GENERAL	
Image rejection	Maximum power consumption . 380W AC power supply 220V 50Hz Weight and Dimensions (Approx.)	
AM suppression	Net weight 7.0kg Gross weight 8.0kg Dimension (W/H/D) 422/115/347mg	m
FM muting sensitivity 10μ V		11.

Specifications and design are subject to change without notice.

BLOCK DIAGRAM



DISASSEMBLY

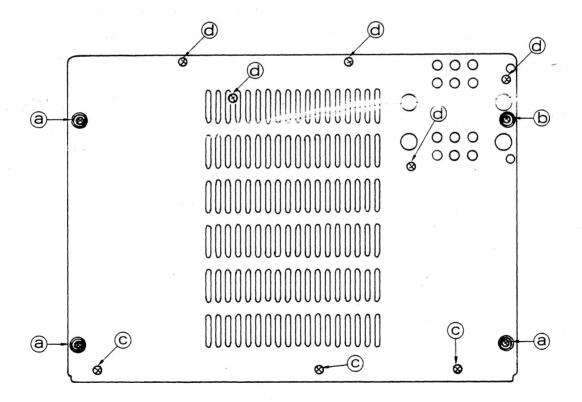
1. CABINET REMOVAL

- a. Remove 4 screws from both sides of the cabinet. (TSB+40x08-N)
- b. Remove a screw from rear of the cabinet. (TSC+30x08-N)
- c. Lift the cabinet away from the unit.

2. BOTTOM BOARD REMOVAL

(cf. below)

- a. Remove 3 screws with foots from bottom board. (TSB+40x14-Y)
- b. Remove a screw with foot from bottom board. (TSC+30x08-N)
- c. Remove 3 screws from front side of bottom board. (TPS+30x08-N)
- d. Remove 5 screws from bottom board. (TSC+30x08-N)



ALIGNMENT PROCEDURE

Condition

AM

1. Modulation: 1kHz at 30%

2. Generator output is terminated in an IRE Loop 24 inch spacing.

FM

1. Connect signal generator to FM ext. antenna terminal through 75Ω unbalanced dummy antenna.

2. Modulation: 1kHz 75kHz deviation.

3. FM muting switch: OFF

FM MPX

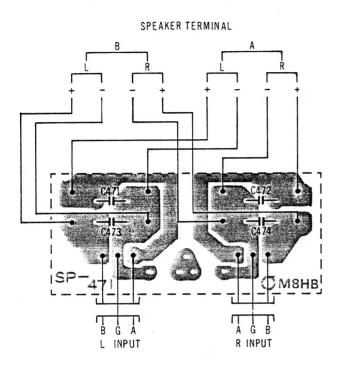
Modulation: 1kHz L or R channel only.

Main carrier (L + R) 33.7kHz deviation Sub carrier (L - R) 33.7kHz deviation 19kHz pilot 7.5kHz deviation

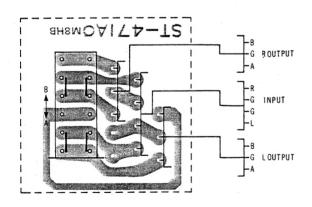
Cton	Signal, Sweep Generator		Tuner IND Output Indicator			
Step	Connection	Frequency	Setting	Connection	Adjustor	Adjust for
			AM IF			
1	Set the FUNCTION Sele	ctor to "AM".				
To IRE Loop placed at a distance of 60cm from built-in barantenna 452kHz		Low end	IF sweep generator TP (R253)	T251 T250	Flat and max.	
		А	M TUNING V	QLTAGE		
3			522kHz	digital voltmeter TP (R411)	T201	2.7V
4			1611kHz	SAME AS STEP (3)	CT202	20.0V
5 Repeat steps (3) and (4).						<u> </u>
			AM RF			
6	SAME AS STEP (2)	603kHz	603kHz	RF sweep generator TP (R253)	L201	Max.
7	SAME AS STEP (2)	1404kHz	1404kHz	SAME AS STEP (6)	CT201	Max.
8	Repeat steps (6) and (7).					
			AM TUN	ED		
9	SAME AS STEP (2)	999kHz (66dB)	999kHz	TUNED IND.	SV R251	all segments just light up
		FI	M TUNING V	OLTAGE		•
10	Set the FUNCTION selec	tor to "FM".				
11			87.5MHz	digital voltmeter TP (R411)	L103	3.9V
12			108.0MHz	SAME AS STEP (11)	CT103	25.0V

Step	Signal, Sweep Gen	Tuner IND	Ouptut Indicator			
	Connection	Frequency	Setting	Connection	Adjustor	Adjust for
	-		FM II			
13			98MHz	frequency counter TP (R155)	CT431	108.700MHz
14	To FM antenna terminal through 75 Ω dummy	98MHz (60dB)	98MHz	digital voltmeter TP (R155)	T151 (1)	0±0.005V
15	SAME AS STEP (14)			distortion meter output terminals	T151 (2)	Min. distortion
16	Repeat steps (14) and (15)				
			FM RI			
17	SAME AS STEP (14)	90MHz	90MHz	RF sweep generator TP (R154)	L101 L102 T101	Max.
18	SAME AS STEP (14)	106MHz	106MHz	SAME AS TEP (17)	CT101 CT102 T101	Max.
19	Repeat steps (17) and (18)	•				
			FM SIGNAL	LEVEL		
20	SAME AS STEP (14)	98MHz (46dB)	98MHz	SIGNAL METER	SVR202	All segments just light up
			FM MUTING	LEVEL		
21	SAME AS STEP (14)	98MHz (25dB)	98MHz	Scope Output terminals	SVR201	Output wave disappears (MODE SW at protruded position)
		FM M	PX/STEREO S	SEPARATION		
22				Frequency counter TP4 (R403)	SVR401	19±0.05kHz
23	SAME AS STEP (14)	98MHz (60dB)	98MHz	VTVM Output terminals	SVR402	Min.

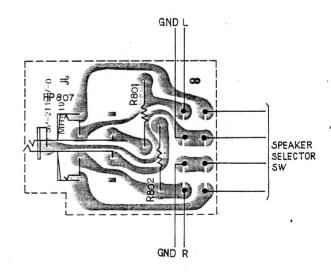
SP. TERMINAL P.C. BOARD



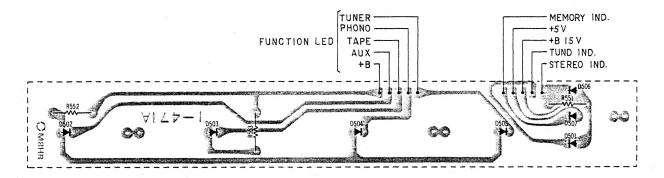
SP. SW. P.C. BOARD



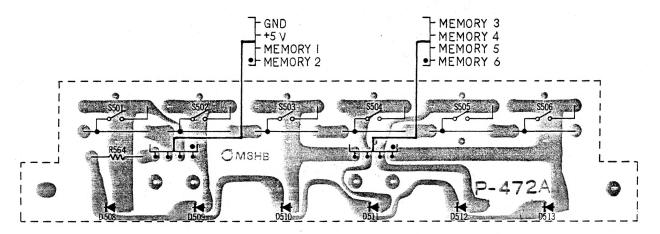
HP. P.C. BOARD



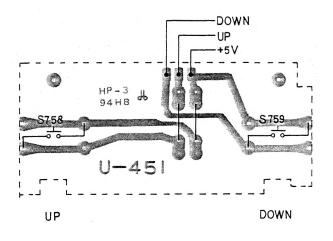
FUNCTION LED P.C. BOARD



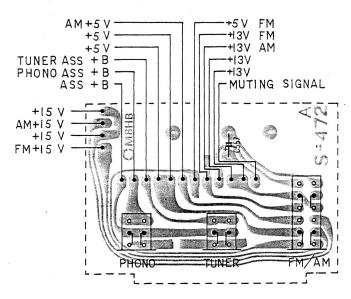
PRESET SW. P.C. BOARD



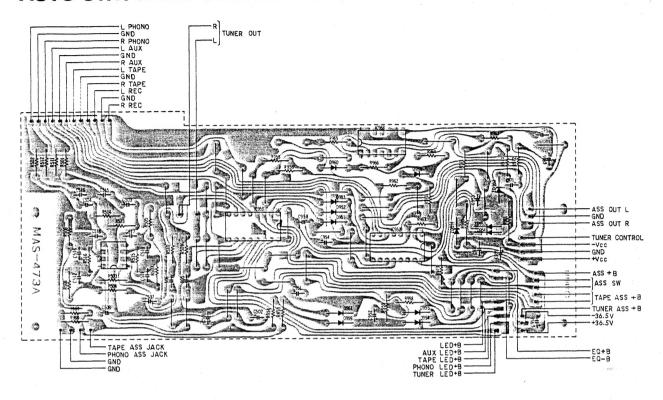
UP-DOWN P.C. BOARD



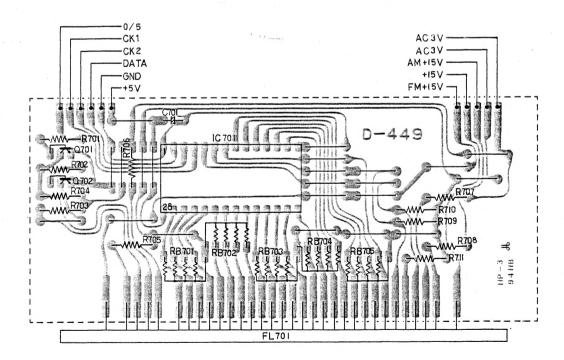
FUNCTION SW. P.C. BOARD



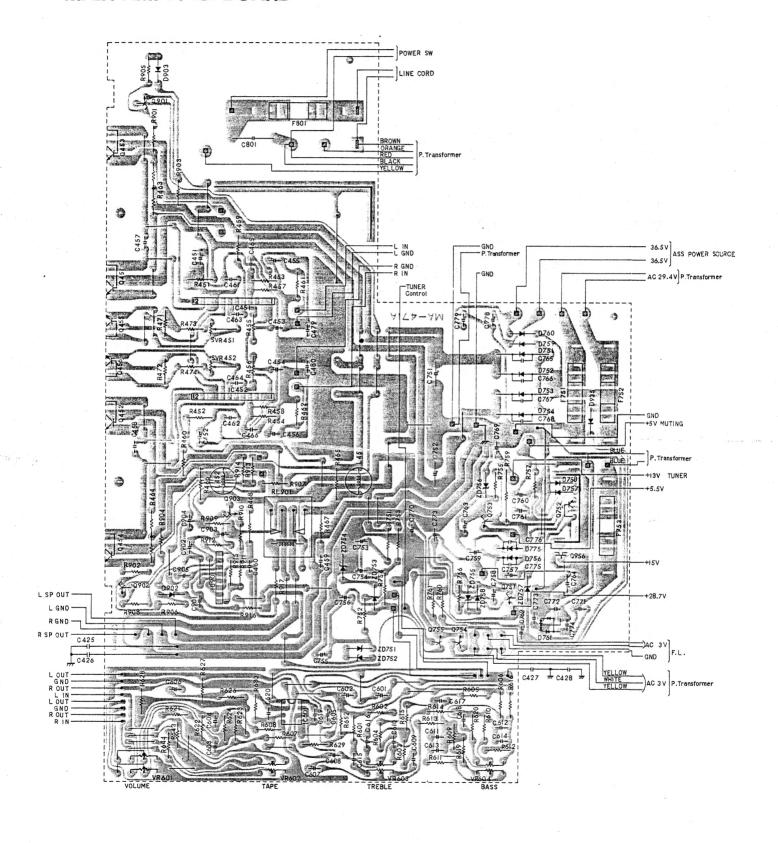
AUTO SWITCHING SYSTEM P.C. BOARD



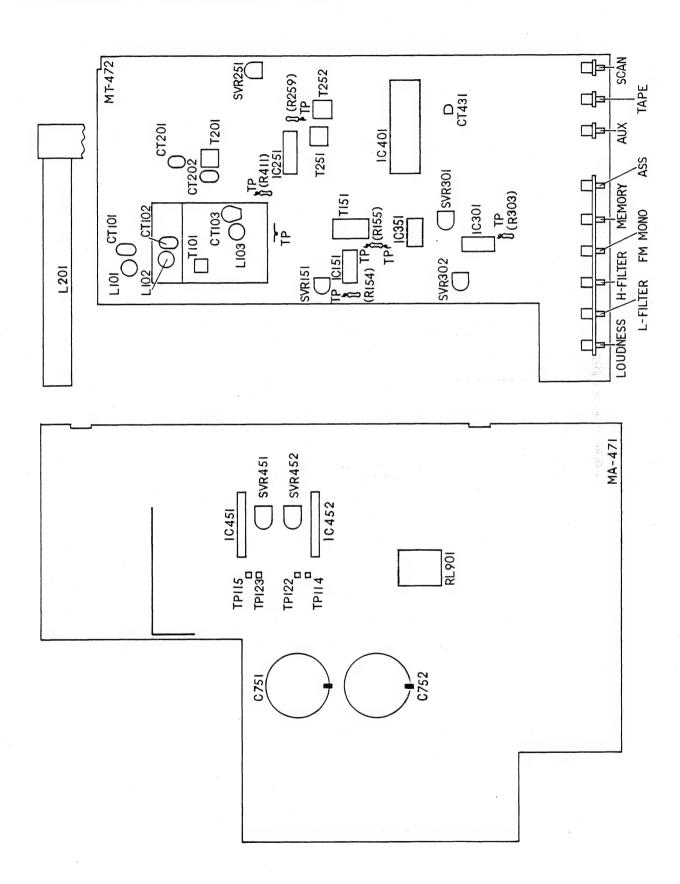
FREQUENCY DISPLY P.C. BOARD



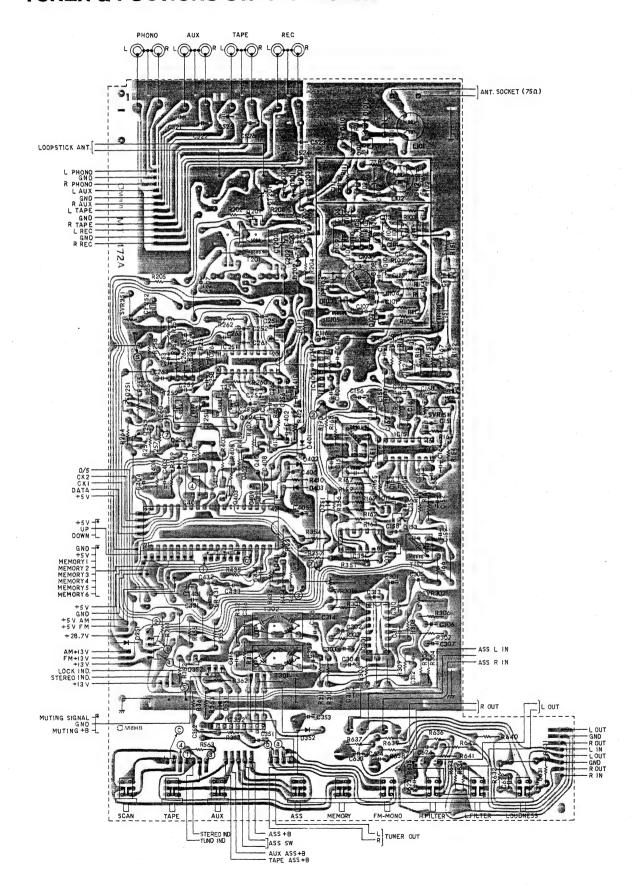
MAIN AMP. P.C. BOARD



ALIGNMENT COMPONENTS LAYOUT



TUNER & FUCTIONS SW. P.C. BOARD



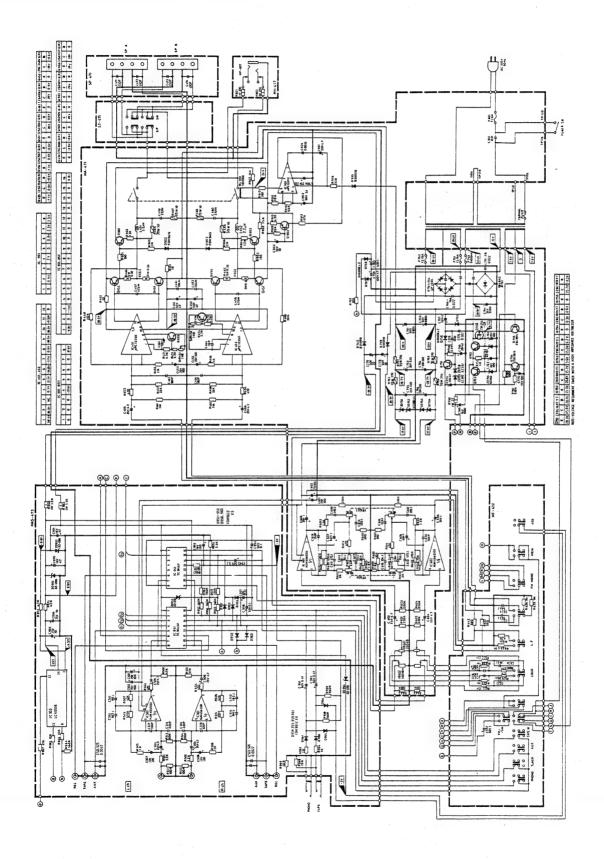
PARTS LIST

Part No.	Description	Symbol No.	Q'ty	Part No.	Description	Symbol No.	Q'ty
2SA1062-Q, R	Transistor	Q451, 452	2	SFU450B3	Ceramic filter	CF251	1
2SA1127-Q, R	Transistor	Q903	1	HC18/U7.199MHZ	Quartz oscillator unit	CR431	1
2SC1567-Q, R	Transistor	Q455, 456	2	EWGG0A013C54	Potentiometer	VR603, 604	2
2SC1627A-Y	Transistor	Q751, 753	2	EWGG0A013375	Potentiometer	VR602	1
2SC1815-GR	Transistor	Q251, 252	2	EWK8CA013BF5	Potentiometer	VR601	1
2SC1815-Y	Transistor	Q153, 351, 352	11	ESB827S	Power switch		1
20010101		401~403, 431	'	ESB62372	Push switch		1
		701, 702, 754		ESB6251	Push switch		1
		755		ESB6253	Push switch		4
2SC2486-Q, R	Transistor	Q453, 454	2	ESB6262	Push switch		1
2SC2668-O	Transistor	Q103, 104	2	SW-1401106	Push switch		1
2SC2669-O	Transistor	Q151, 152	2	EVQQQR04K	Light-touch switch	S501~506, 758	1
2SC2878-B	Transistor	0253	1	2 4 4 4 4 1 1 1 1 1	Light todail switch	759	-
2SD1011-Q, R	Transistor	Q901, 902	2	7-MT-08ZK	Fluorescence lamp	FL701	1
2SD880-Y	Transistor	Q752	1	AJC-002-AAB	RCA jack 4P		2
2SK161-GR	Transistor	Q102, 201	2	HLJ0307-01-040	H.P. jack	HP401	1
	Transistor	Q101	1	HSJ0780-01-010	MIC jack	111 401	2
2SK241-GR		1	1	FUH-002	Fuse holder		8
2SK246-GR	Transistor	Q756	1				1
2SK246-Y	Transistor	Q154	1 1	TCP9106-01-101	Socket, co-axial	-	1
2SK301-Q	Transistor	Q404	1	PT-S08P12	Socket 8P (S.P.)		
FDH9612	Diode	D251, 352, 404,	12	MC02-185	Micro socket ass'y		1
		951~955		MC03-188	Micro socket ass'y		1
		958~961		MC04-182	Micro socket ass'y		1
FDH9615	Diode	D401, 402, 551,	5	MC04-187	Micro scoket ass'y		1
		901, 902		MC05-184	Micro socket ass'y	" "	1
OA99	Diode	D351	1	MC05-186	Micro socket ass'y		1
S5500B	Diode	D755~760, 903	7	MC05-192	Micro socket ass'y	Star.	1
XZ062	Diode	ZD756	1	MC06-183	Micro socket ass'y	VAI	1
XZ070	Diode	ZD953, 954	2	MC12-181	Micro socket ass'y		1
XZ088	Diode	ZD751~754	4	171825-12	Micro Plug		1
XZ098	Diode	ZD951, 952	2	171825-2	Micro plug	4	1
XZ140	Diode	ZD755	1	171825-3	Micro Plug		1
XZ140 XZ147	Diode	ZD758	1	171825-4	Micro plug	- Qe	2
		1	1	171825-5	Micro plug	i de	2
XZ157	Diode	ZD757	1 1				1
1B4B42	Diode	D761	1	171825-6	Micro plug		
1SV1020, L	Diode	D201, 202	2	171826-5	Micro plug	(3") (4.)	1
1SV103A	Diode	D103	1	IMSA-1068-12D	Mini terminal plate	ev.	1
1SV103A, B	Diode	D101, 102	2	NPT-1345S	Power transformer		1
GP30D-L	Diode	D751~754	4	FU-521628T	Fuse	F754	1
1N4002	Diode	D403	1	FU-523128T	Fuse	F751, 752	2
GL9NG33	LED	D501	1	FU-524018T	Fuse	F753	1
GL9PR33	LED	D502~513	12	N43040	ANT. terminal		1
N0.18E	MICA	for Q451~454	4	RP-001	Terminal pin		27
N0.24B	MICA	for Q451~454	4	UB-0027	Terminal (GND.)		1
AN7470	IC	IC301	1	ANT-011	FM lead antenna		1
LA1231NS	IC	IC151	1	PC-012	RCA pin coard ass'y		2
LA1245	IC	IC251	1	D-449	Printed circuit board		1
LC4001B	IC	IC953	1	HP-471	Printed circuit board		1
LC4011B	ic	IC351	1	MA-471	Printed circuit board		1
NJM4560DX	ic	IC501, 601	2	MAS-473	Printed circuit board		1
TA7324P	IC	IC352	1	MH-419	Printed circuit board		1
TA9145P	ic	IC951, 952	2	MT-472	Printed circuit board		1
TC9147P	ic	IC401	1	P-472	Printed circuit board		1
	ic	IC402	1	S-472	Printed circuit board		1
TD6104P	ic		1	SP-471	Printed circuit board		1
TD6301AP		IC701					1
UPC1225H	IC	IC451, 452	2	ST-471	Printed circuit board		1 -
UPC1237H	IC	IC901	1	U-451	Printed circuit board	D1 004	1
104001	Air-core coil	L451, 452	2	180008	Relay	RL901	1
100024	Inductor	L104, 105	2	KA25ST100J	Carbon resistor	R451, 452	2
100025	Inductor	L151, 152	2	KA25ST101J	Carbon resistor	R258	1
127009A	FM RF coil	L101, 102	2	KA25ST102J	Carbon resistor	R106, 253, 302	
140045	AM IFT	T251	1			352, 411, 455	
140046	AM IFT	T252	1			456, 505, 506	
141021	FM IFT	T151	1			563, 564, 755	
141028	FM IFT	T101	1			953, 954	
143012	Filter coil	T152	1	KA25ST103J	Carbon resistor	R165, 251, 252	17
143012	Filter coil	T301, 302	2			306, 307, 354	į.
	MW OSC coil	T201	1			356, 406, 408	
135016		L103	1			615, 616, 757	1
190014	FM OSC coil	L103	1			911, 965, 966	
125022	Loopstick ANT.	05050	1				
BFU450K	Ceramic filter	CF252	1			968, 969	
KBF10.7MT-NAR	Ceramic filter	CF151	1				
KBF10.7MU-NA6R	Ceramic filter	CF152	1				

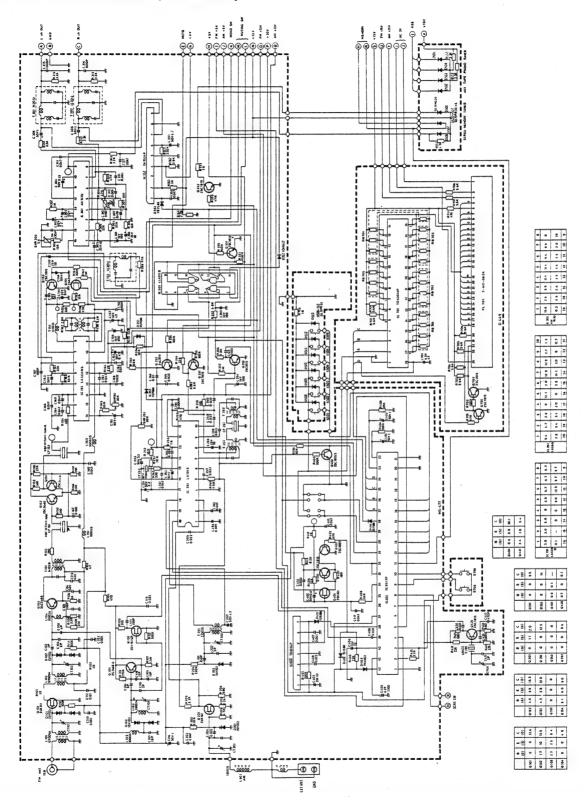
PARTS LIST

Part No.	Description	Symbol No.	Q'ty	Part No.	Description	Symbol No.	Q't
KA25ST104J	Carbon resistor	R110~112, 163	19	SA-1WT270J	Metal oxide resistor	R759	1
		170, 254, 255	1	SA-1WT271J	Metal oxide resistor	R419, 420	2
		261, 351, 355		MPC722R33KX2LF	Cement resistor	R463, 464	2
							2
		401, 403, 404		SVR-08T3B102	Semi-variable resistor	SVR451, 452	1
		511~514, 702		SVR-08T3B204	Semi-variable resistor	SVR302	1
		760		SVR-08T3B303	Semi-variable resistor	SVR151, 251	2
CA25ST105J	Carbon resistor	R162, 257, 461	8	SVR-08T3B502	Semi-variable resistor	SVR301	1
		462, 635~638	-	RK1/8B4562K	Networks resistor	RB701~705	5
(A25ST122J	Corbon resistan		5	LUB1H682MHS		C751, 752	2
(A2551122J	Carbon resistor	R361, 603, 604	3		Electrolytic capacitor	•	
		903, 904	1	LL-25TW4R7M	Low leak.	C455, 456	8
<a25st123j< td=""><td>Carbon resistor</td><td>R169, 431</td><td>2</td><td></td><td>Electrolytic cap.</td><td>503~506, 603</td><td></td></a25st123j<>	Carbon resistor	R169, 431	2		Electrolytic cap.	503~506, 603	
CA25ST124J	Carbon resistor	R643, 644, 973	3			604	1
CA25ST151J	Carbon resistor	R901, 902	2	LL-50TW1R0M	Low leak.	C605~608	4
	Carbon resistor		3	22 30 1 11 1011		3000 300	
(A25ST152J		R107, 156, 260	1 - 1	140 407440444	Electrolytic cap.	0050 507 500	١.
CA25ST153J	Carbon resistor	R157, 301, 432	8	MS-10TW101M	Electrolytic capacitor	C353, 507, 508	5
		631,632				763, 770	
		907~909		MS-10TW220M	Electrolytic capacitor	C406	1
KA25ST181J	Carbon resistor	R407	1	MS-10TW470M	Electrolytic capacitor	C157, 158	2
			1 1		· ·		4
CA25ST182J	Carbon resistor	R167, 256, 605	4	MS-16TW101M	Electrolytic capacitor	C156, 254, 301	4
		606				959	1
KA25ST202J	Carbon resistor	R905, 906	2	MS-16TW102M	Electrolytic capacitor	C769	1
CA25ST203J	Carbon resistor	R459, 460	2	MS-16TW470M	Electrolytic capacitor	C970, 971	2
CA25ST222J	Carbon resistor	R164, 202, 303	9	MS-25TW100M	Electrolytic capacitor	C195, 255	8
MZ001222J	Carbon resistor		9	IVI3-23 I VV I UUIVI	Lieun dry no capacitor		1 -
		435, 501, 502				305~307, 401	
		607, 608, 756				955, 956	1
KA25ST223J	Carbon resistor	R109, 161, 264	7	MS-25TW101M	Electrolytic capacitor	C453, 454, 501	7
		304, 305, 410				502, 601, 602	
		916		-		762	
CA25ST224J	Carbon resistor	R203, 204, 363	12	MS-25TW221M	Electrolytic capacitor	C755, 756	2
		621~628, 761	1 1	MS-35TW100M	Electrolytic capacitor	C903	1
KA25ST225J	Carbon resistor	R364	1	MS-35TW221M	Electrolytic capacitor	C753, 754, 904	1 3
KA25ST242J	Carbon resistor	R609, 610	2	MS-35TW222M	Electrolytic capacitor	C764	1
	· ·						3
KA25ST272J	Carbon resistor	R473, 474	2	MS-35TW470M	Electrolytic capacitor	C757, 758, 773	i
KA25ST273J	Carbon resistor	R158, 159	2	MS-50TWR10M	Electrolytic capacitor	C953, 954, 958	
KA25ST274J	Carbon resistor	R113	1	MS-50TWR22M	Electrolytic capacitor	C304, 957	2
KA25ST302J	Carbon resistor	R611, 612	2	MS-50TWR47M	Electrolytic capacitor	C153~155	6
KA25ST303J	Carbon resistor	R619, 620	2			402, 951,952	
		· ·	1	MC FOTHIA BOM	Electualistic conscitor		1:
KA25ST331J	Carbon resistor	R152~155, 262	i	MS-50TW1R0M	Electrolytic capacitor	C116, 151, 152	1 .
KA25ST332J	Carbon resistor	R108, 310~313	6			252, 308, 309	
		974				403, 404, 524	į
KA25ST333J	Carbon resistor	R457, 458	2	and statement or property and		557, 760, 761	11111
KA25ST391J	Carbon resistor	R105, 151, 601	4	MS-50TW100M	Electrolytic capacitor	C778, 779	2
		602	1 1	MS-50TW2R2M	Electrolytic capacitor	C303	1
< A 050T000 I	Cli	†					
KA25ST392J	Carbon resistor	R362	1	MS-50TW3R3M	Electrolytic capacitor	C251, 253, 302	
KA25ST393J	Carbon resistor	R409	1 1	MS-50TW330M	Electrolytic capacitor	C902	1
KA25ST433J	Carbon resistor	R507, 508	2	MS-50TW4R7M	Electrolytic capacitor	C207, 351, 901	3
KA25ST470J	Carbon resistor	R101~103	3	MS-50TW470M	Electrolytic capaction	C451, 452	2
KA25ST471J	Carbon resistor	R104, 259, 453	9	MS100TW470M	Electrolytic capacitor	C759	1
NA20014/10	Car Doil Tesistor		3				1
		454, 503, 504		MS6R3TW222M	Electrolytic capacitor	C405	1
		613, 614, 711		MS6R3TW470M	Electrolytic capacitor	C701	1
KA25ST472J	Carbon resistor	R471, 472, 551	8	MY-50VS104J	Mylar capacitor	C617, 618	1
		633, 634, 910		MY-50VS104M	Mylar capacitor	C461, 462	:
		971, 972		MY-50VS153J	Mylar capacitor	C613, 614	
/ A OFOT 470 !	Contraction	1	1 12		-		
CA25ST473J	Carbon resistor	R166, 308, 309	12	MY-50VS182J	Mylar capacitor	C511, 512	1
		353, 402, 509		MY-50VS223J	Mylar capacitor	C615, 616, 905	
		510, 639, 640		MY-50VS273M	Mylar capacitor	C459, 460	:
		701, 912, 967		MY-50VS333J	Mylar capacitor	C266	.
KA25ST474J	Carbon resistor	R629, 630	2	MY-50VS392J	Mylar capacitor	C609, 610	
		1	: 1	. 1			
KA25ST475J	Carbon resistor	R201	1	MY-50VS393J	Mylar capacitor	C631, 632	
KA25ST514J	Carbon resistor	R515, 516	2	MY-50VS472J	Mylar capacitor	C611, 612	:
KA25ST561J	Carbon resistor	R641, 642	2	MY-50VS473M	Mylar capacitor	C457, 458	1:
KA25ST562J	Carbon resistor	R263, 552, 553,	11	MY-50VS562J	Mylar capacitor	C513, 514	
	201201110313101		1	1		C623, 624	
		703~710	1 . 1	MY-50VS563J	Mylar capacitor		- 1
KA25ST563J	Carbon resistor	R160, 913~915	1 1	ST-50VS351J	Styrol capacitor	C201	
KA25ST564J	Carbon resistor	R955~959	8	ST-50VS471J	Styrol capacitor	C314	-
		962~964		HC10SJZF473Z	Ceramic capacitor	C160~166, 203	1
V A 250T601 I	Carbon resistar	R433, 434	2		22.2 20p20101	261, 262, 317	i
CA25ST681J	Carbon resistor	1	1 1				
KA25ST682J	Carbon resistor	R357	1			352, 420, 411	1
(A OFOTOGO !	Carbon resistor	R168, 412	2			427, 428, 523	
KA2551822J		R465~468	4	HE10SJZF473Z	Ceramic capacitor	C313	
	Carpon register		1 7 1	112100021 7702			1
KA50ST100J	Carbon resistor	1	1	HEADS ID HADDY	Caramia conscitor	C107	1
KA50ST100J KA50ST271J	Carbon resistor	R751~754	4	HE40SJRH180K	Ceramic capacitor	C107	1
KA25ST822J KA50ST100J KA50ST271J KA50ST391J SA-1WT122J		1	1 2	HE40SJRH180K HE40SJSL020D HE40SJSL030D	Ceramic capacitor Ceramic capacitor Ceramic capacitor	C107 C101, 431 C102	

CIRCUIT DIAGRAM (AMP.)



CIRCUIT DIAGRAM (TUNER)



PARTS LIST

Part No.	Description	Symbol No.	Q'ty	Part No.
HE40SJSL050D	Ceramic capacitor	C202	1	N43241
HE40SJSL060D	Ceramic capacitor	C103	1	N43242
HE40SJSL080D	Ceramic capacitor	C104	1 1	N43502
HE40SJSL180K	Ceramic capacitor	C106, 463, 464	3	N43503
HE40SJTH150K	Ceramic capacitor	C105, 403, 404	1	N43058
HE40SJTH220K		C108		
	Ceramic capacitor		1 1	N43379
HE40SJYB101K	Ceramic capacitor	C169, 414	10	N43047
		471~474, 479	1 1	N43380
		480, 517, 518		N43381
HE40SJYB151K	Ceramic capacitor	C619, 620	2	N43382
HE40SJYB181K	Ceramic capacitor	C465, 466	2	
HE40SJYB221K	Ceramic capacitor	C515, 516, 633	4	N43393
		634		N43375
HE50SJSL101K	Ceramic capacitor	C109	1	N43376
HE50SJYB102K	Ceramic capacitor	C110, 111, 256	10	N42887
		264, 265, 311		N30675
		312, 315, 316		N43501
		407		SH-1230
HEEDE IVEA EOK	Commis organisms	C433	1	13823-6X9
HE50SJYB152K	Ceramic capacitor		4	N42886
HE60SJYB222K	Ceramic capacitor	C521, 522, 525	4	N43463
		526		N43431
HE70SJYB332K	Ceramic capacitor	C413	1	N21028
HE70SJYF103Z	Ceramic capacitor	C112, 113, 114,	4	N41318
		263		141310
HE90SJSL471K	Ceramic capacitor	C432	1	1140407
HE90SJSL511K	Ceramic capacitor	C310	1	N40487
HE90SJYB562K	Ceramic capacitor	C425, 426	2	
HE90SJYF223Z	Ceramic capacitor	C115, 167, 168	13	N43160
		204, 205,		OM-388
		257~260, 408		FT-003
		409, 412, 434		C-010
H11SEYF223Z	Ceramic capacitor	C765~768	10	TBB+30X08-Y
H113C11 2232	Ceramic capacitor	771~776		
AT1-53-9	Trimmer capacitor	CT101, 102,	3	TPM+30X08-N
A11-33-3	Triminer Capacitor	201	3	
1 T4 F2 OW	T.:	CT202	1	TPS+30X08-N
AT1-53-9W	Trimmer capacitor		1	
CTZ51F147	Trimmer capacitor	CT431	1	TSB+30X06-N
CTZ81C122	Trimmer capacitor	CT103		102.00,001
ECQU2A103MF	Metallized film	C780	1	TSB+30X06-Y
	capacitor			130130700-1
ACC-005	Line cord		1	TSB+30X08-Y
SR-3P-4	Cord stopper	. 1 .344	1	130730700-1
N10262	Front panel		1	TOD . 001/40 1/
N43430	Display window		1	TSB+30X10-Y
N43097	Filter		1	
N21026A-BR	Cabinet		1	TSB+40X08-N
N21049	Bottom board		1	
N0.7103	Foot		4	TSB+40X10-N
N21036	Rear panel		1	
N43240-BR	Knob (Tuning)		1	TSB+40X14-Y
N43019-BR	Knob (1 dilling)		4	
			1	TSC+30X06-Y
N30667-BR-6	Push button			
N43017-BR	Push button		14	TSC+30X08-N
N30686	Side chassis R		1	100:00/10011
N30687	Side chassis L		1	2AWX0830-05-1
N21037	Center chassis A		1	2AWX1040-08-1
N30676	Center chasis B		1	
N20914B	Support chassis (P.T.)		1	VJR-3
N43437	Spacer		12	2AE-03
N43296	Shield cover		1	59BS1692
N42781	Shield plate		1	59BS4795
N43052	GND plate A		i	

Part No.	Description	Symbol No.	Q'ty
N43241	Shield cover		1
N43242	Shield plate		1
N43502	Shield plate A		1
N43503	Shield plate B		1
N43058	Fittings		1
	(Headphone jack)		
N43379	Angle C (Swtich)		1
N43047	Fittings A (P.C.B)		1
N43380	Fittings A (P.C.B.)		1
N43381	Fittings B (P.C.B.)		1
N43382	Fittings C (P.C.B.)		2
N43393	Angle (P.C.B.)		1
N43375	Fittings F (Heat sink)		1
N43376	Fittings R (Heat sink)		1
N42887	Fittings (P.T.)		2
N30675	Heat sink	for Q451~456	1
N43501	Heat sink	for IC451, 452	1
SH-1230	Heat sink	for Q752	1
		101 (2752	6
13823-6X9	Knob spacer Cabinet mat		1
N42886			12
N43463	Universal spacer		
N43431	Shipping carton		1
N21028	Packing pad		2
N41318	Polyethylene bag		1
	(Unit)		
N40487	Polyethylene bag		1
	(Accessories)		
N43160	Label, serial number		2
OM-388	Instruction manual		1
FT-003	FTZ sheet		1
C-010	Circuit diagram		1
TBB+30X08-Y	Tap screw B,		8
	Bind head, Y		
TPM+30X08-N	Tap screw P,		19
	Round head, N		
TPS+30X08-N	Tap screw P,		3
	Flat head, N		
TSB+30X06-N	Tap screw S,		9
	Bind head, N		
TSB+30X06-Y	Tap screw S,		26
100.000001	Bind head, Y		
TSB+30X08-Y	Tap screw S.		1
130130200-1	Bind head, Y		
TSB+30X10-Y	Tap screw S.		4
100100010-1	Bind head, Y		
TSB+40X08-N	Tap screw S,		4
13074UAU0-1V	Bind head, N		
TSB+40X10-N	Tap screw S		4
130740710-11	Bind head, N		7
TCD+40V14 V	Tap screw S,		3
TSB+40X14-Y	Bind head, Y		3
TCO LOOYOC V	1		19
TSC+30X06-Y	Tap screw S,		19
T00.00V00.11	Washer faced, Y		12
TSC+30X08-N	Tap screw S,		13
0.4.11.14.00000 000 11	Washer faced, N		
2AWX0830-05-N	Plain washer, N		1
2AWX1040-08-N	Plain washer, N		4
VJR-3	Snake lug		1
2AE-03	Solder lug		4
59BS1692	GND lug		5
59BS4795	Terminal lug		2



